

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E70169

**Employer :** Pacific Lutheran University

**Worksite :** Pacific Lutheran University

**Street :** 12180 Park Ave S

**Jurisdiction :** Unincorporated Pierce County

**Survey Date :** 5/18/2014

**Survey Type :** Online

**Response Rate :** 78%

### Drive Alone & One-Way VMT Rates at this Worksite

### Employees and Survey Response Information

**Drive Alone :** 76.5%

**Reported Total Employees at Worksite:** 767

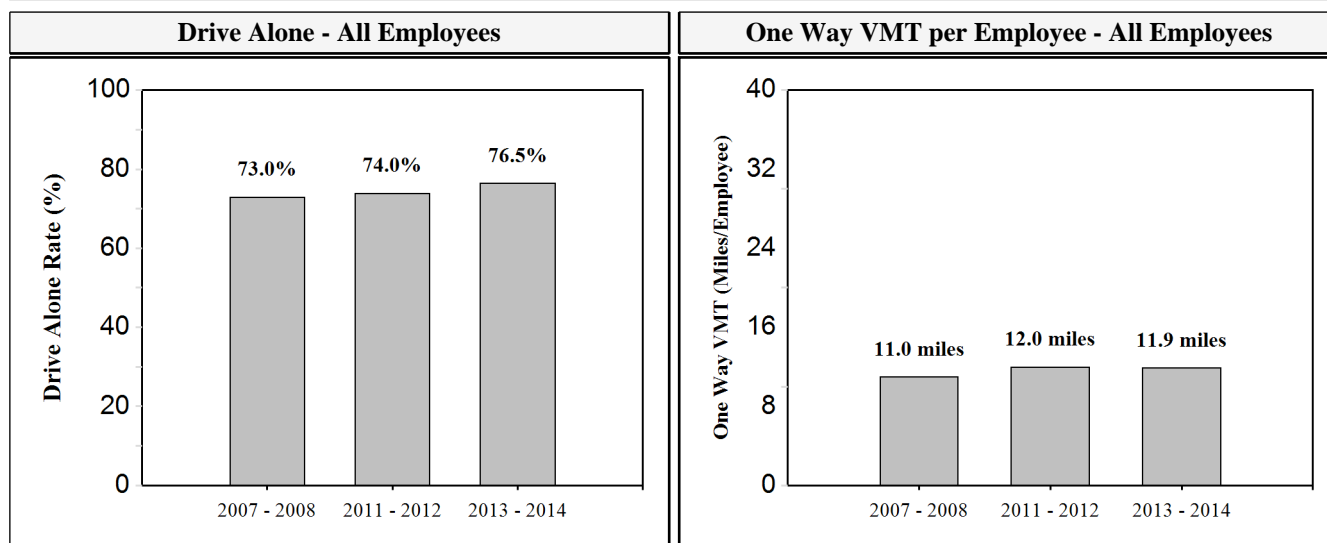
**Surveys Distributed :** 767

**One-Way VMT per employee :** 11.9

**Surveys Returned :** 598

**Surveys Returned by CTR Affected Employees :** 491

**Total Estimated CTR - Affected Employees at Worksite :** 630



### Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	73.0%	73.1%	11.0	10.7
2009 - 2010	70.7%	71.3%	11.2	11.4
2011 - 2012	74.0%	74.1%	12.0	11.9
2013 - 2014	76.5%	76.1%	11.9	12.0
2015 - 2016	N/A	N/A	N/A	N/A
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	4.8%	4.1%	8.2%	12.1%

## Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2011 - 2012	2013 - 2014
Drive Alone - All Employees*	73.0%	74.0%	76.5%
Drive Alone - CTR Affected Employees*	73.1%	74.1%	76.1%
VMT/Employee - All Employees	11.0	12.0	11.9
VMT/Employees - CTR Affected Employees	10.7	11.9	12.0

\* Drive alone rate includes one person motorcycles.

**Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.**

## GHG Emissions: Total for Drive Alone, Carpools, Vanpools

### Annual Greenhouse Gas Emissions (Metric Tons CO<sub>2</sub>e) for Roundtrip Commute\*

Value	2007 - 2008	2011 - 2012	2013 - 2014
Emissions for Surveyed Employees	1,271	1,519	1,534
Estimated Emissions for Total Employment	2,274	2,576	1,968

\* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

## Bus Transit Passenger Miles and Rail Transit Passenger Miles\*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2011 - 2012	2013 - 2014
Bus Annual Passenger Miles - Estimated for Total Employment	217,159	238,153	150,707
Bus Annual Passenger Miles - Surveyed Employees	121,400	140,400	117,500
Ferry Annual Passenger Miles - Estimated for Total Employment	0	27,140	28,602
Ferry Annual Passenger Miles - Surveyed Employees	0	16,000	22,300
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	1,431	6,785	0
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	800	4,000	0

\* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO<sub>2</sub>e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO<sub>2</sub>e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO<sub>2</sub>e emissions per passenger mile for train/light rail/streetcar.

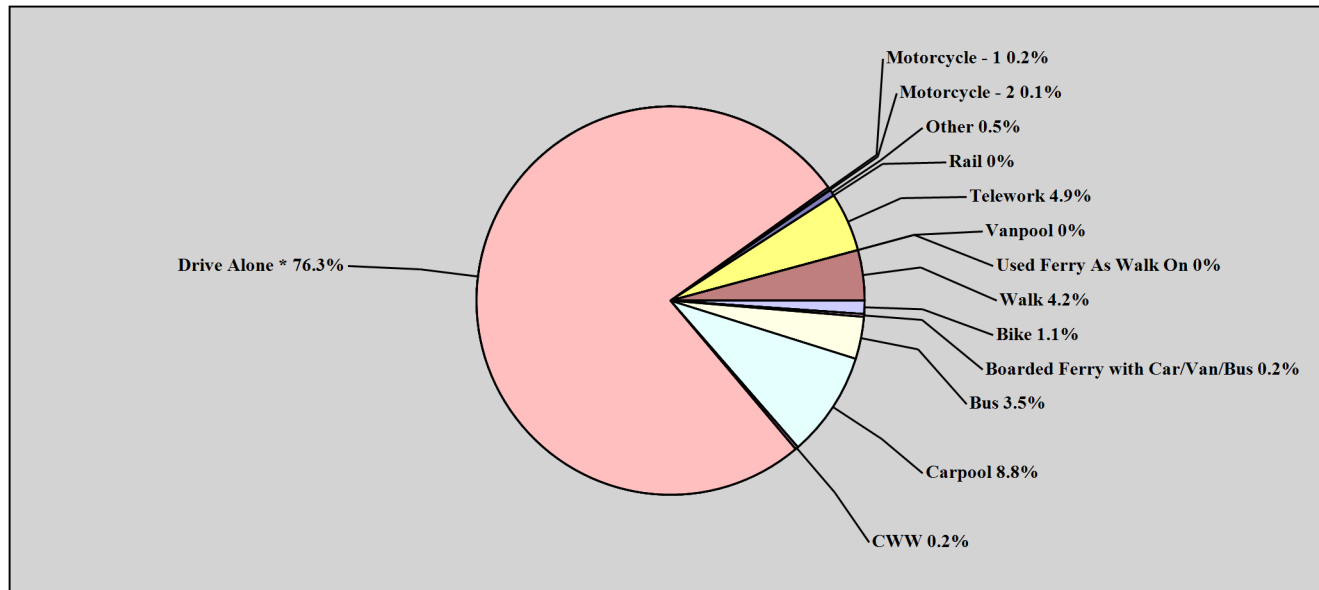
**Q3.**

<b>One way, how many miles do you commute from home to your usual work location?</b>
<b>Average one-way distance home to work: 14.4 miles</b>

## Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



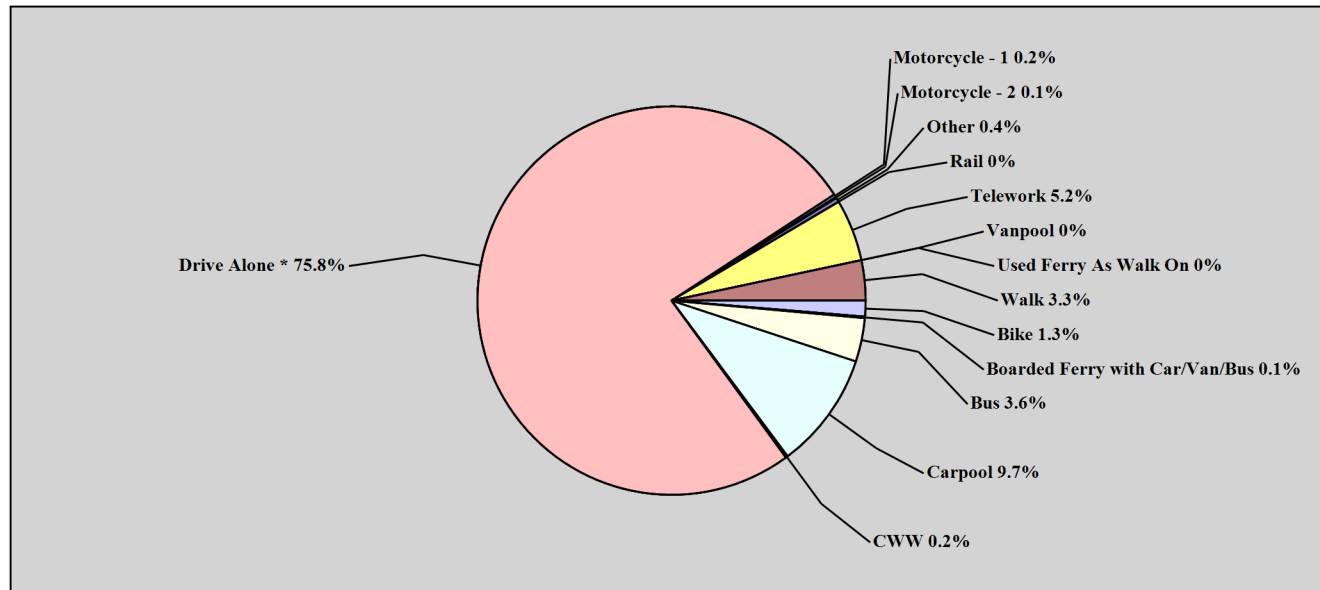
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	2,219	76.3%	73.8%	513	85.8%	84.0%
Carpool	255	8.8%	9.9%	82	13.7%	16.2%
Vanpool	0	0.0%	0.1%	0	0.0%	0.3%
Motorcycle - 1	6	0.2%	0.1%	2	0.3%	0.3%
Motorcycle - 2	2	0.1%	0.0%	2	0.3%	0.0%
Bus	102	3.5%	4.6%	32	5.4%	7.0%
Rail	0	0.0%	0.0%	0	0.0%	0.2%
Bike	32	1.1%	1.0%	12	2.0%	1.7%
Walk	122	4.2%	4.2%	27	4.5%	4.4%
Telework	143	4.9%	5.2%	76	12.7%	13.3%
CWW	7	0.2%	0.4%	7	1.2%	1.0%
Boarded Ferry with Car/Van/Bus	7	0.2%	0.2%	2	0.3%	0.2%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	15	0.5%	0.5%	7	1.2%	1.4%

\* Drive alone mode includes fill-in, where applicable.

## Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	1,839	75.8%	74.0%	421	85.7%	84.7%
Carpool	236	9.7%	10.7%	74	15.1%	17.4%
Vanpool	0	0.0%	0.1%	0	0.0%	0.5%
Motorcycle - 1	6	0.2%	0.1%	2	0.4%	0.5%
Motorcycle - 2	2	0.1%	0.0%	2	0.4%	0.0%
Bus	88	3.6%	4.8%	27	5.5%	7.3%
Rail	0	0.0%	0.0%	0	0.0%	0.2%
Bike	32	1.3%	1.0%	12	2.4%	1.6%
Walk	81	3.3%	3.2%	19	3.9%	3.2%
Telework	125	5.2%	5.3%	64	13.0%	14.4%
CWW	4	0.2%	0.2%	4	0.8%	0.7%
Boarded Ferry with Car/Van/Bus	3	0.1%	0.2%	1	0.2%	0.2%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	9	0.4%	0.2%	5	1.0%	0.9%

\* Drive alone mode includes fill-in, where applicable.

### Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	389	65%	598	100%
1 Days	48	8%	209	35%
2 Days	34	6%	161	27%
3 Days	35	6%	127	21%
4 Days	21	4%	92	15%
5 Days	54	9%	71	12%
6 or More Days	17	3%	17	3%

### Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	267	57.3%	63	13.5%	16	3.4%	44	9.4%	0	0%	0	0%	21	4.5%	1	0.2%	94	20.2%
4 days a week (4/10s)	8	17%	23	48.9%	2	4.3%	3	6.4%	0	0%	0	0%	2	4.3%	1	2.1%	13	27.7%
3 days a week	1	3.2%	22	71%	1	3.2%	0	0%	0	0%	0	0%	2	6.5%	1	3.2%	4	12.9%
9 days in 2 weeks (9/80)	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	5	10.2%	19	38.8%	1	2%	2	4.1%	0	0%	0	0%	3	6.1%	0	0%	13	26.5%

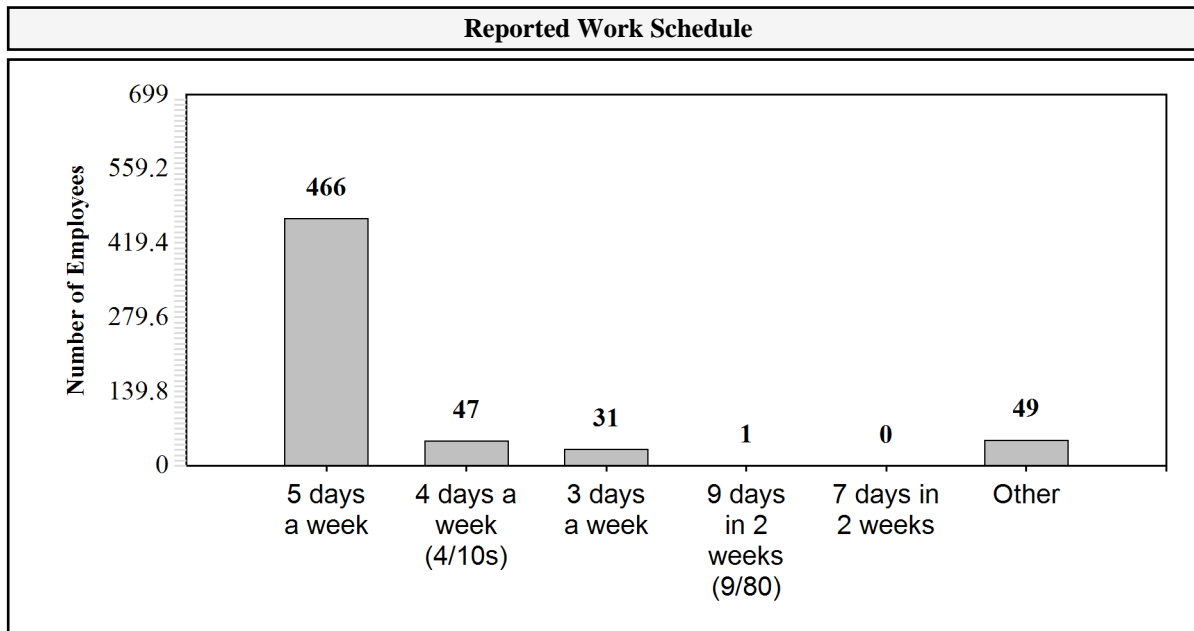
## Count by Occupancy of Carpools, Vanpools, and Motorcycles

**Q.4b** If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	11
2	Motorcycle	2
2	Carpool	235
3	Carpool	20
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

## Reported Work Schedule - All Employees

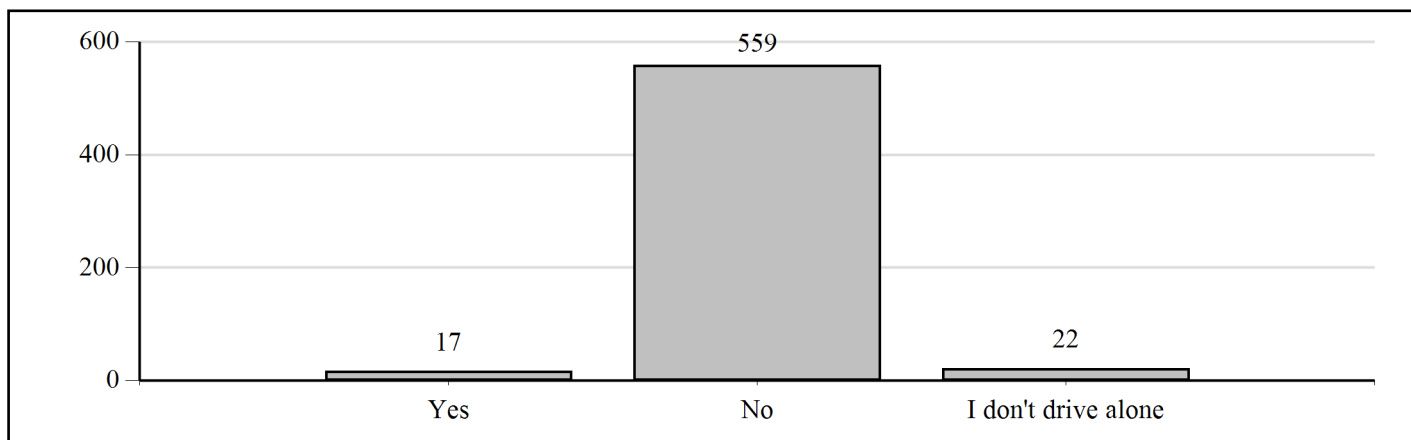
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	466	78.5%
4 days a week (4/10s)	47	7.9%
3 days a week	31	5.2%
9 days in 2 weeks (9/80)	1	0.2%
7 days in 2 weeks	0	0%
Other	49	8.2%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	348	58.2%
Occasionally, on an as-needed basis	94	15.7%
1-2 days/month	33	5.5%
1 day/week	64	10.7%
2 days/week	38	6.4%
3 days/week	21	3.5%



## Reasons for driving alone to work/not driving alone to work

**Q11. When you do not drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
To save money	192	17.9%
Environmental and community benefits	148	13.8%
I have the option of teleworking	126	11.8%
Other	118	11.0%
Personal health or well-being	115	10.7%
Free or subsidized bus, train, vanpool pass or fare benefit	102	9.5%
Financial incentives for carpooling, bicycling or walking.	87	8.1%
Driving myself is not an option	61	5.7%
Preferred/reserved carpool/vanpool parking is provided	34	3.2%
To save time using the HOV lane	30	2.8%
Cost of parking or lack of parking	29	2.7%
Emergency ride home is provided	26	2.4%
I receive a financial incentive for giving up my parking space	3	0.3%

**Q12. When you drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	357	25.9%
I like the convenience of having my car	333	24.1%
Family care or similar obligations	212	15.4%
Other	160	11.6%
My commute distance is too short	106	7.7%
Bicycling or walking isn't safe	91	6.6%
My job requires me to use my car for work	85	6.2%
I need more information on alternative modes	19	1.4%
There isn't any secure or covered bicycle parking	16	1.2%

**Employee Transit Use - All Employees**

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	1	0	1	7	0	13	10	0	1	1
2	2	1	2	6	0	11	6	0	2	1
3	0	0	0	2	0	5	2	0	0	0
4	0	0	0	2	0	12	3	0	0	1
5	0	0	0	3	0	2	0	0	0	2
6	0	0	0	1	0	1	1	0	0	0
7	1	0	0	1	0	1	0	0	0	1
8	0	0	0	0	0	1	0	0	0	0
9	0	0	0	0	0	2	0	0	0	0
10	0	0	0	0	0	1	1	0	0	0
11 or more	0	0	0	2	0	7	0	0	1	1
# Of Employees using Transit	4	1	3	24	0	56	23	0	4	7
Total One-Way Transit Trips Per Week	12	2	5	87	0	278	56	0	17	63

**Employee Transit Use - Affected Employees**

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	1	0	1	4	0	9	9	0	1	1
2	2	0	2	6	0	9	5	0	1	0
3	0	0	0	2	0	3	2	0	0	0
4	0	0	0	1	0	10	2	0	0	1
5	0	0	0	2	0	0	0	0	0	2
6	0	0	0	0	0	1	1	0	0	0
7	1	0	0	1	0	1	0	0	0	1
8	0	0	0	0	0	1	0	0	0	0
9	0	0	0	0	0	1	0	0	0	0
10	0	0	0	0	0	1	1	0	0	0
11 or more	0	0	0	2	0	7	0	0	1	1
# Of Employees using Transit	4	0	3	18	0	43	20	0	3	6
Total One-Way Transit Trips Per Week	12	0	5	69	0	237	49	0	15	61

## Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	1	0.17%	0	1	0	0	0	0	0	0	0	0	0	0	0
13348	1	0.17%	0	0	0	0	0	0	0	0	5	0	0	0	0
96513	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98001	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98002	1	0.17%	4	0	0	0	0	0	0	0	0	1	0	0	0
98003	2	0.33%	9	0	0	0	0	0	0	0	0	0	0	0	0
98008	1	0.17%	3	0	0	0	0	0	0	0	4	0	0	0	0
98021	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98022	2	0.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98023	7	1.17%	18	10	0	0	3	0	0	0	4	0	0	0	0
98031	2	0.33%	9	0	0	0	0	0	0	0	0	0	0	0	0
98033	1	0.17%	4	0	0	0	0	0	0	0	1	0	0	0	0
98038	2	0.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98042	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98057	2	0.33%	4	5	0	0	0	0	0	0	0	0	0	0	0
98059	1	0.17%	4	0	0	0	0	0	0	0	1	0	0	0	0
98070	2	0.33%	5	0	0	0	0	0	0	0	1	0	4	0	0
98075	1	0.17%	2	3	0	0	0	0	0	0	0	0	0	0	0
98092	4	0.67%	18	0	0	0	0	0	0	0	0	0	0	0	0
98101	1	0.17%	2	0	0	0	0	0	0	0	0	0	0	0	0
98102	1	0.17%	3	0	0	0	0	0	0	0	0	0	0	0	0
98103	4	0.67%	13	5	0	0	0	0	0	0	2	0	0	0	0
98104	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98106	2	0.33%	5	0	0	0	5	0	0	0	0	0	0	0	0
98109	2	0.33%	8	0	0	0	0	0	0	0	2	0	0	0	0
98112	3	0.50%	6	4	0	0	4	0	0	0	0	0	0	0	0



98115	2	0.33%	8	0	0	0	0	0	0	0	2	0	0	0	0
98116	3	0.50%	9	0	0	0	0	0	0	0	2	0	0	0	0
98117	1	0.17%	2	0	0	0	3	0	0	0	0	0	0	0	0
98118	2	0.33%	7	0	0	0	0	0	0	0	1	0	0	0	0
98119	2	0.33%	5	0	0	0	0	0	0	0	0	0	0	0	0
98122	4	0.67%	4	0	0	0	15	0	0	0	0	0	0	0	0
98126	1	0.17%	0	0	0	0	0	0	0	0	5	0	0	0	0
98133	1	0.17%	4	0	0	0	0	0	0	0	1	0	0	0	0
98136	5	0.84%	15	0	0	0	5	0	0	0	5	0	0	0	0
98144	1	0.17%	0	5	0	0	0	0	0	0	0	0	0	0	0
98155	1	0.17%	1	0	0	0	0	0	0	0	0	0	0	0	1
98166	1	0.17%	6	0	0	0	0	0	0	0	0	0	0	0	0
98168	1	0.17%	4	0	0	0	0	0	0	0	0	0	0	0	1
98178	1	0.17%	3	0	0	0	0	0	0	0	0	0	0	0	0
98198	2	0.33%	7	0	0	0	0	0	0	0	0	0	0	0	0
98199	1	0.17%	3	0	0	0	0	0	0	0	3	0	0	0	0
98201	1	0.17%	4	0	0	0	0	0	0	0	0	0	0	0	0
98208	1	0.17%	3	0	0	0	0	0	0	0	0	0	0	0	0
98321	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98327	2	0.33%	8	1	0	0	0	0	0	0	0	0	0	0	0
98328	5	0.84%	19	0	0	0	0	0	0	0	0	0	0	0	0
98329	1	0.17%	3	0	0	0	0	0	0	0	0	0	0	0	0
98330	1	0.17%	6	0	0	0	0	0	0	0	0	0	0	0	0
98332	12	2.01%	47	5	0	0	0	0	0	0	8	0	0	0	0
98335	11	1.84%	47	4	0	0	0	0	0	0	4	0	0	0	0
98338	12	2.01%	55	0	0	0	0	0	0	0	4	0	0	0	0
98354	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98359	2	0.33%	8	1	0	0	0	0	0	0	0	0	0	0	0
98360	3	0.50%	15	0	0	0	0	0	0	0	0	0	0	0	0
98362	1	0.17%	3	0	0	0	0	0	0	0	1	1	0	0	0
98367	2	0.33%	11	0	0	0	0	0	0	0	0	0	0	0	0
98371	13	2.17%	50	5	0	0	6	0	0	0	2	0	0	0	0
98372	9	1.51%	34	7	0	0	0	0	0	0	0	0	0	0	0
98373	14	2.34%	51	12	0	0	4	0	0	0	4	0	0	0	0
98374	25	4.18%	105	11	0	0	0	0	0	0	1	0	0	0	1
98375	20	3.34%	78	22	0	0	0	0	0	0	0	1	0	0	1
98384	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0



98387	25	4.18%	118	2	0	0	0	0	0	0	2	1	3	0	0
98388	2	0.33%	5	0	0	0	5	0	0	0	0	0	0	0	0
98390	4	0.67%	20	0	0	0	0	0	0	0	0	0	0	0	0
98391	11	1.84%	43	10	0	0	0	0	0	0	1	1	0	0	0
98402	9	1.51%	40	1	0	0	3	0	1	0	0	0	0	0	0
98403	20	3.34%	58	15	0	1	18	0	1	0	4	0	0	0	0
98404	9	1.51%	35	8	0	0	0	0	5	0	0	0	0	0	0
98405	18	3.01%	54	26	0	0	0	0	3	0	5	0	0	0	0
98406	41	6.86%	126	34	0	0	11	0	4	0	16	0	0	0	3
98407	27	4.52%	106	7	0	0	1	0	0	0	16	0	0	0	0
98408	12	2.01%	44	3	0	0	3	0	0	0	2	0	0	0	0
98409	4	0.67%	21	0	0	0	0	0	0	0	0	0	0	0	0
98418	5	0.84%	15	0	0	0	5	0	0	0	0	0	0	0	0
98422	6	1.00%	30	0	0	0	0	0	0	0	0	0	0	0	0
98439	1	0.17%	0	1	0	0	4	0	0	0	0	0	0	0	0
98443	5	0.84%	18	0	0	5	0	0	0	0	0	0	0	0	0
98444	47	7.86%	120	10	0	0	5	0	17	93	2	1	0	0	3
98445	25	4.18%	115	8	0	0	0	0	0	0	1	1	0	0	0
98446	5	0.84%	24	0	0	0	0	0	0	0	0	0	0	0	0
98447	6	1.00%	5	0	0	0	0	0	0	25	0	0	0	0	0
98465	4	0.67%	12	5	0	0	0	0	0	0	3	0	0	0	0
98466	23	3.85%	106	1	0	0	0	0	0	0	9	0	0	0	0
98467	8	1.34%	36	0	0	0	0	0	0	0	2	0	0	0	0
98498	21	3.51%	101	5	0	0	0	0	0	0	3	0	0	0	0
98499	15	2.51%	54	9	0	4	2	0	1	0	0	0	0	0	0
98501	6	1.00%	24	0	0	0	0	0	0	0	1	0	0	0	0
98502	4	0.67%	20	0	0	0	0	0	0	0	0	0	0	0	0
98503	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98506	4	0.67%	10	6	0	0	0	0	0	0	4	0	0	0	0
98513	2	0.33%	9	0	0	0	0	0	0	0	0	0	0	0	0
98516	2	0.33%	2	0	0	0	0	0	0	0	5	0	0	0	5
98520	1	0.17%	0	0	0	0	0	0	0	4	0	0	0	0	0
98524	1	0.17%	3	0	0	3	0	0	0	0	0	0	0	0	0
98532	2	0.33%	5	3	0	0	0	0	0	0	2	0	0	0	0
98576	1	0.17%	4	0	0	0	0	0	0	0	0	0	0	0	0
98580	3	0.50%	15	0	0	0	0	0	0	0	0	0	0	0	0
98597	2	0.33%	12	0	0	0	0	0	0	0	0	0	0	0	0



orego	1	0.17%	0	0	0	0	0	0	0	0	2	0	0	0	0
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